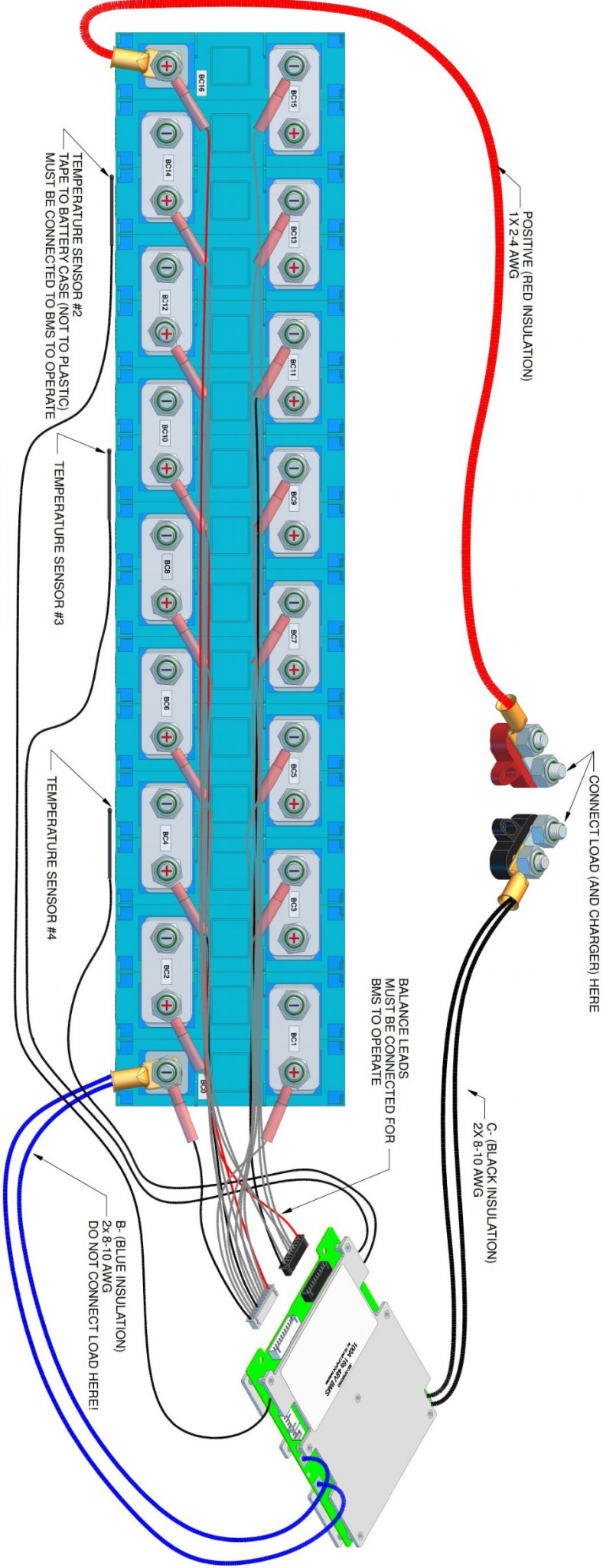


Battery Management System

For 16 cell LiFePo4 Batteries. 100A continuous rated current.

Download the complete user manual: OverkillSolar.com/support-downloads/
Email: Support@OverkillSolar.com



Downloads and Support link:



- BALANCE LEAD WIRE ORDER
(LEFT TO RIGHT)
- BLACK CONNECTOR:
- BC16 (RED)
- BC15 (WHITE) - BC14 (WHITE)
- BC13 (WHITE)
- BC12 (WHITE)
- BC11 (BLACK)
- WHITE CONNECTOR:
- BC10 (RED)
- BC9 (WHITE)
- BC8 (WHITE)
- BC7 (WHITE)
- BC6 (WHITE)
- BC5 (WHITE)
- BC4 (WHITE)
- BC3 (WHITE)
- BC2 (WHITE)
- BC1 (WHITE)
- BC0 (BLACK)

DRAWN N.J.	DATE Dec 12 2020
CHECKED	
QA	
MFG	
APPROVED	
48V 100Ah 16-cell to 100A BMS Wiring	
SIZE B	DWG NO.
SCALE 1:2.5	SHEET 1 OF 1

Unlimited Returns:
If you have any problems with this BMS, we will take it back.

Email:
Support@OverkillSolar.com
for tech support or advice.

If you need help I will help.

If it isn't working right I will
replace it.

**If it's totally fried I will
refund your money.**

*This includes anything you
did to break it.*

Enjoy,
Steve.

**Please write a
product review on
OverkillSolar.com**
Include a photo of your finished
battery,
I would love to see it!

Protection Parameters Explained:

These are the adjustable battery protection settings, as shown in this iPhone screenshot. Notes are in RED

Verizon 1:06 PM 72%

< xiaoxiang BMS



BMS read



open
configuration



save
configuration



BMS write



First, press "BMS read" to download current settings from the BMS

Android and desktop users
will find a different layout, but
the functions are the same.

Protections

	Trigger Value		Release Value		Delay [s]	
Cell over voltage	3650 mV		3500 mV		2	Disconnects charging current if any cell voltage goes over the Trigger value. Reconnects when all cells drop below the Release value.
Cell under voltage	2500 mV		3000 mV		2	Cuts off discharging current if any cell voltage goes under the Trigger value. Reconnects when all cells rise above the Release value.
Batt over voltage	58400 mV		56000 mV		2	Cuts off charging current if entire pack goes over the Trigger value. Reconnects when pack drops below the Release value.
Batt under volt.	40000 mV		48000 mV		2	Cuts off discharging current if entire pack falls under the Trigger value. Reconnects when pack rises above the Release value.
Charge over curr.	110000 mA		32 s		10	Cuts off charging current if the current exceeds the trigger value, for [delay] seconds. Reconnects after [release value] seconds.
Discharge over curr.	110000 mA		32 s		10	Cuts off discharging current if the current exceeds the trigger value, for [delay] seconds. Reconnects after [release value] seconds.
Charge over temp	70 °C		60 °C		2	Cuts off charging current if the probe temperature exceeds the trigger value. Reconnects after temp drops below the release value.
Charge under temp	1 °C		5 °C		2	Cuts off charging current if the probe temp drops below the trigger value. Reconnects after probe temp rises above the release value.
Discharge over temp	85 °C		75 °C		2	Cuts off discharging current if the probe temperature exceeds the trigger value. Reconnects after temp drops below the release value.
Discharge under temp	-10 °C		0 °C		2	Cuts off discharging current if the probe temp drops below the trigger value. Reconnects after probe temp rises above the release value.



App Settings



BMS Settings



Current Cal.



Voltage Cal.



Notifications